FIGURE 1A

CHIR 12.12 light chain:

leader;

MALPAQLIGILMLWVEGSSG

variable

DIVMTQEPLELTVTPGEPASISCRSSQSLLYSNGYNYLDWYLQKPGQSPQVLISLGSNRASG VPDRFSGSGSGTDFTLKIBRVEAEDVGVYYCMQARQTPFTFGPGTKVDIR

constant:

rtvaapsvfifppsdeqlksgtasvvclinnfypreakvqwkvdnalqsgnsqesvteqdsk Dstyslsstltlskadyekhkvyacevthoglsspytksfnrgec

FIGURE 18

CHIR-12.12 heavy chain:

leader

MEFGLEWVFLVAILRGVQC

variable:

QVQLVESGGGVVQPGRSLRLSCAASGFTFSSYGMHWVRQAPGKGLEWVAVISYEESNRYHAD SVKGRFTISRDNSKITLYLQMNSLRTEDTAVYYCARDGGIAAPGPDYWGQGTLVTVSS

constant:

MHEALMNHYTQKSLSLSPGK

alternative constant region:

ASTKEPSVPPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSWABGALTSGVHTFPAVLQSSGL YSLSSVVTVPSSSLGTQTYICMVNHKPSNTKVDKRVEPKSODKTHTCPPCPAPELLGGPSVF LFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVV SVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSL TCLVKGFYPSDIAVEWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSV MHEALHNHYTQKSLSLSPGK

FIGURE 2A

DNA sequence of light chain of CHIR-12.12:

gagagigitay3'

gagagi

FIGURE 2B

DNA sequence of heavy chain of CHIR-12.12 (including introns):

5'alggagttlyggctgagotgggtlllocttgtlyotattltaayaggtytecagtgtcaggtgcagttggtggagtotgggggaggogt ggloongcolgggagglccetgagacteteclglgcagecletggattcacetteagtagetatggeatgeaetgggteegeeaggete caggeaagggctggaglggggggcagliatatoatatgaggaaaglaatagataccatgeagactccgtgaagggcogatlcacca iciccagagucaaticcuagatenogetgtaloigoanatguacageetcagaactgaggacucggetgtgtultaetgtgogagagat eggelalagoageacclgggcolgactactggggccagggaaccclggtcacoglotoagoaaglacoaagggccatccgt citecccetggcyccegciagcaagaycaccteigugggcaaageggccetgggctyceigytcaaggactacitecccgaaccgg tgacggtgtcglggaactcaggogocctgaccagogggggggacaccttcccggctgtcctacagtcutcaggaclotactccolcag ongogiggignoogigocolcongengetigggeaceengacetnoatelgeaaegignntonenngeeengenneaeennggtgg getalycagiccagiccagycageaaggeaggcocgictgccictteaecoggagyccictgcccgoccaotonigeteagg <u>gagauggtotlorggottilocccaggelctgggcaugcaczguoluggtgcccctaaccouggocctgcacacaaquuuugggcaugt</u> Refüggeroußererugerechter Abbassererugereru lcayctcygucacctiorolcotcccugattccaylaaclcccaatcttctctclgcagaycccaaatctlytgacaaaaclcacacalgc concogtgecentglangeengeconggeetegecetecagetennggegggacnggtgecotngngtageetgeutenngggac aggeeesagceggglgelgacacgleeacciccalcicticcteagcacctgaacleetgggggaccgleagtettccrettccccc asticuaotegiaogiggaoggogtggaggigeataaigccaagacaaagccgcgggaggagagoagtacaacagcacgiacogtgi egicagogicotoacegicetgeaceaggaetggcigaalggcaaggegiaeaaglgcaagglcicoaacaaagceciccagcec lolgocclgagaglgacogetgtaccuacetetylocctacagggcagcccogugaaccacuggtgtacaccotgcococulocogg Rassosarfaccausarconsistes acceptoristica and a serious an 1gggcagccggugaacaactacaagaccacgcolcccgtgclggactccgacggctccttcltccictatagcaugctcaccgtggac angagenggtgycagenggygaacgtettetealgeteegtgatgeatgaggetelgeacaaceaclacaogeagaagaolelee etgleleegggtanatga3'

FIGURE 3A

CHIR-5.9 light chain:

leader:

MALLAQLIGLLMLWVPGSSG

variable:

AIVMTQPPL53FVTLGQPASI8CR83Q8LVH3DGNTYLNWLQQRPGQPPRLLIYKFFRRL3G VPDRF8G3GAGTDFTLKISRVEAEDVGVYYCMQVTQFPHTFGQGTRLEIK

constant:

RTVAAPSVFIFPPSDEQLKSGTASVVCLLNNFYPREAKVQWKVDNALQSGNSQESVTEQDSK DSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC

FIGURE 3B

CHIR-5.9 heavy chain:

leader:

MGSTAILALLLAVLQGVCA

variable:

EVQLVQSGAEVKKPGESLKISCKGSGYSFTSYWIGWVRQMPGKGLEWMGIIYPGDSDTRYSP SFQGQVTISADKSISTAYLQWSSLKASDTAMYYCARGTAAGRDYYYYYGMDVWGQGTTVTVS S

constant:

ASTKGPSVPPLAPASKSTBGGTAALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQSSGL YSLSBVVTVPSBBLGTQTYICNVNHKPSNTKVDKKVEPKSCDKTHTCPPCPAPELLGGPSVP LFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNBTYRVV SVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSL TCLVKGPYPSDIAVEWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSV MHEALHNHYTQKSLSLSPGK

alternative constant region:

ASTKOPEVFFLAPSSKSTSGGTAALGCLVKDYFPEPVTVSWNBOALTSGVHTFPAVLQSSGL YSLSSVVTVPBBBLGTQTYICNVNHKPSNTKVDKRVEPKSCDKTHTCPPCPAPELLGGPSVF LFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVV SVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSL TCLVKGFYPSDIAVEWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSGSV MHEALHNHYTQKSLSLSPGK

FIGURE 4A

Coding sequence for short isoform of human CD40:

- 1 atggtiegte tgeoleigea gtgegreele tggggetget tgetgaeege tgleoateoa
- 61 ganceaccea ctycatgong agammacag incotantas acagtosuty etgiteitig
- 121 igccagcong gucagauact ggigagtgao tgcacugagt tcuctganuc gguutgcett
- 181 cettgoggte anageguatt cetagacace iggaacagag agucacactg conceageac
- 241 muntaciges accesance agggettegg stoeagonga agggenecte agaancagae
- 301 accatetycu ectylganga aggolygoac tylnogagty aggeolytga gagetytlo
- 361 ciycaccycl catgologco oggottygy gtcaugcaga tigctacagy ggilletgat 421 accatciycy ageccigece agicgyclic tictocaaty tytoatolyo titeyaaaaa
- 481 tgicacccit ggacunggto cochegatog gotgugageo etgetggiga tecccatcat
- 541 cilcheente ofettigeen icotetteel getegletit nennanneg tegeconynn
- 601 gecasceat as

FIGURE 4B

Encoded short isoform of human CD40:

- I myripiqevi wgolitavhp epptaereką ylinsącesi eqpgqkivsd etefteteel
- 61 pageselldt wnrethahah kycdpnigir vankgtsetd tiotoeegwh olseacesev
- 121 lhrscspgfg vkqiatgysd ticepopygf fenvesafek chpwtrspgs acspgglphh
- 181 irdpvohpig aglygkegge and

FIGURE 4C

Coding sequence for long isoform of human CD40:

- l atesttogio tecctotesa giacetecio teggetest fucteacos testocalcoa
- 61 gaaccaccca ctgcatycag nyaaaaaacay tacctuataa acagleagiy cigiteitiy
- 121 tyccayccay gacayaaaci yytgayiyac tyoocayayi tcaciyaaac gynnigccii
- 181 сенформир праводнами сенадасасс надвисарая присполен сеносародо
- 241 aantactyce accouncet ugygettogy gtoeagoaga agggosoote agaancagae
- 301 acculctera ocigiganga aggolggene iginogagig aggocigiga gugotgigic
- 361 otgoacogot caluctouce eggettigge greaageaga ttgetacagg ggillelgat
- 421 accalcageg agecetgeec agleggette tectonalg tytoatotge ittogaana
- 481 tyrcaccett ygacangoly tgaynocana yncetgytty tgenacagge agycacanac
- 541 aaguotgatg ilgtotgigg tooccuppat eggetgagag ceetggtggt gatoocoato
- 601 atchegge lectgitigo cateciette etgolegtot liatoaaaaa getgecaag
- бы вайсстист извадоссь сспоссева собанссс вайвайся присоды
- 721 gulotteely geteenne igelyeteen gigenggaga etttachieg atgeonneeg
- 781 услесскув адрицеств прававтено потемуво адричавал в дра

FIGURE 4D

Encoded long isoform of human CD40:

- I myripiqevi wgciltavhp epptacreką ylinsqccsi capgakivsa etesteteci
- 61 pagesafidt wnrothchah kycdpnigir vaakgtsetd tiotooogwh etseseesev
- 121 Ihrscspgfg vkqiatgved ticepepvgf fanvesafek chpwtecetk divvqqagtn
- 181 ktdvvogpad riraivvipi ifgilfaill vivfikkvak kptakaphpk gopacinfpd
- 241 dipusntaap vqetihgcqp vtqcdgkesr isvqcrq

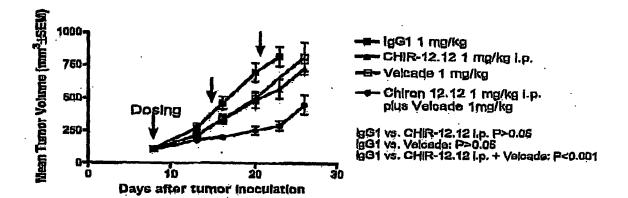


FIGURE 5

FIGURE 6

